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PTO/SB/21 (08-03)

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## TRANSMITTAL FORM

(to be used for all correspondence after initial filing)

Total Number of Pages in This Submission

2

Application Number

10/690,181

Filing Date

October 21, 2003

First Named Inventor

Peter J. Hopper, et al.

Group Art Unit

2878

Examiner Name

Ellis, Suez Y.

Attorney Docket Number

100-23400 (P05711)

### ENCLOSURES (check all that apply)

☐ Fee Transmittal Form

☐ Fee Attached

☒ Response to Restriction Requirement

☐ After Final (Response)

☐ Affidavits/declaration(s)

☐ Extension of Time Request

☐ Express Abandonment Request

☐ Information Disclosure Statement

☐ Certified Copy of Priority Document(s)

☐ Response to Missing Parts/ Incomplete Application

☐ Response to Missing Parts under 37 CFR 1.52 or 1.53

☐ Assignment Papers (for an Application)

☐ Drawing(s)

☐ Licensing-related Papers

☐ Petition Routing Slip (PTO/SB/69) and Accompanying Petition

☐ Petition to Convert to a Provisional Application

☐ Power of Attorney, Revocation Change of Correspondence Address

☐ Terminal Disclaimer

☐ Request for Refund

☐ CD, Number of CD(s) \_\_\_\_\_

☐ After Allowance Communication to Group

☐ Appeal Communication to Board of Appeals and Interferences

☐ Appeal Communication to Group (Appeal Notice, Brief, Reply Brief)

☐ Proprietary Information

☐ Status Inquiry

☒ Other Enclosure(s) (please identify below):

**Return Receipt Postcard  
Certificate of Mailing**

Remarks

**Please charge any necessary fees or credit overpayment to Deposit Account No. 502305. A duplicate copy of this transmittal is attached for this purpose**

### SIGNATURE OF APPLICANT, ATTORNEY, OR AGENT

Firm or Individual name

Mark C. Pickering, Reg. No. 36,239

Signature

*Mark C. Pickering*

Date

May 31, 2005

### CERTIFICATE OF MAILING

I hereby certify that this correspondence is being deposited with the United States Postal Service with sufficient postage as first class mail in an envelope addressed to: M/S Amendment, Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450 on this date: May 31, 2005

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Robin L. King

Signature

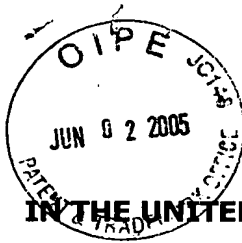
*Robin L. King*

Date

May 31, 2005

This collection of information is required by 37 CFR 1.5. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to 12 minutes to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, U.S. Department of Commerce, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.

10/690,181



PATENT

**IN THE UNITED STATES PATENT AND TRADEMARK OFFICE**

In re Patent Application of:

Peter J. Hopper, et al.

Appln. No.: 10/690,181

Filed: October 21, 2003

For: OPTICAL SENSOR THAT MEASURES THE  
LIGHT OUTPUT BY THE COMBUSTION  
CHAMBER OF AN INTERNAL  
COMBUSTION ENGINE

Group Art Unit: 2878

Examiner: Ellis, Suez Y.

RESPONSE TO RESTRICTION REQUIREMENT  
MAILED MAY 17, 2005

Mail Stop Amendment  
Commissioner for Patents  
P.O. Box 1450  
Alexandria, VA 22313-1450

Dear Sir:

The Examiner required that the above-identified application be restricted to claims 1-13 which are drawn to a sensor, or claims 14-20 which are drawn to a method of optimizing the combustion in a combustion engine. As a result, applicants elect to prosecute claims 1-13 without traverse.

Respectfully submitted,

Dated: 5-31-05

By: Mark C. Pickering

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Dated: May 31, 2005

By: Debra L. Keag

Response to Restriction Requirement  
Mailed May 17, 2005

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Atty. Dkt. No. 100-23400  
(P05711)